

FILE NOTATIONS

Entered in NID File ✓
 Entered On S R Sheet ✓
 Location Map Pinned ✓
 Card Indexed ✓
 I W R for State or Fee Land _____

Checked by Chief PMB
 Copy NID to Field Office ✓
 Approval Letter _____
 Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 3-6-64
 OW _____ WW _____ TA _____
 GW _____ OS _____ PA ✓

Location Inspected _____
 Bond released _____
 State of Fee Land _____

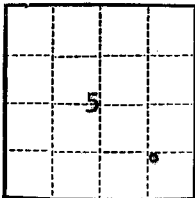
LOGS FILED

Driller's Log 3-20-64
 Electric Logs (No.) 6

E _____ I _____ E-I ✓ GR _____ GR-N _____ Micro ✓
 Lat ✓ Mi-L _____ Sonic ✓ Others Formation Density Log
Continuous Dipmeter

Sub-report of Abandonment

Interthalus lenticularis var. basalis 100 mm. long



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Form Approved.

Land Office Salt Lake
Lease No. U-017003A
Unit Horsethief Canyon

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 24, 1963

Horsethief Canyon Unit

Well No. 1-5 is located 1270 ft. from N line and 1270 ft. from E line of sec. 5

NW SE

SE 1/4 Sec. 5

(1/4 Sec. and Sec. No.)

T29S

(Twp.)

R26E

(Range)

SLB&M

(Meridian)

Wildcat

(Field)

San Juan

(County or Subdivision)

Utah

(State or Territory)

ungraded ground

The elevation of the ~~surface~~ above sea level is 7302 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Propose to drill a well to explore for oil and gas to the Lynch (Devonian) formation at an approximate depth of 10,815'.

Propose to set the following casing strings:

- 1) 20" conductor casing to approx. 60' with cement circulated to surface.
- 2) 13-3/8" surface casing to approx. 1700' with cement circulated to surface.
- 3) 7" production casing through any commercial shows of oil or gas.

L O 5- 3733

303

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

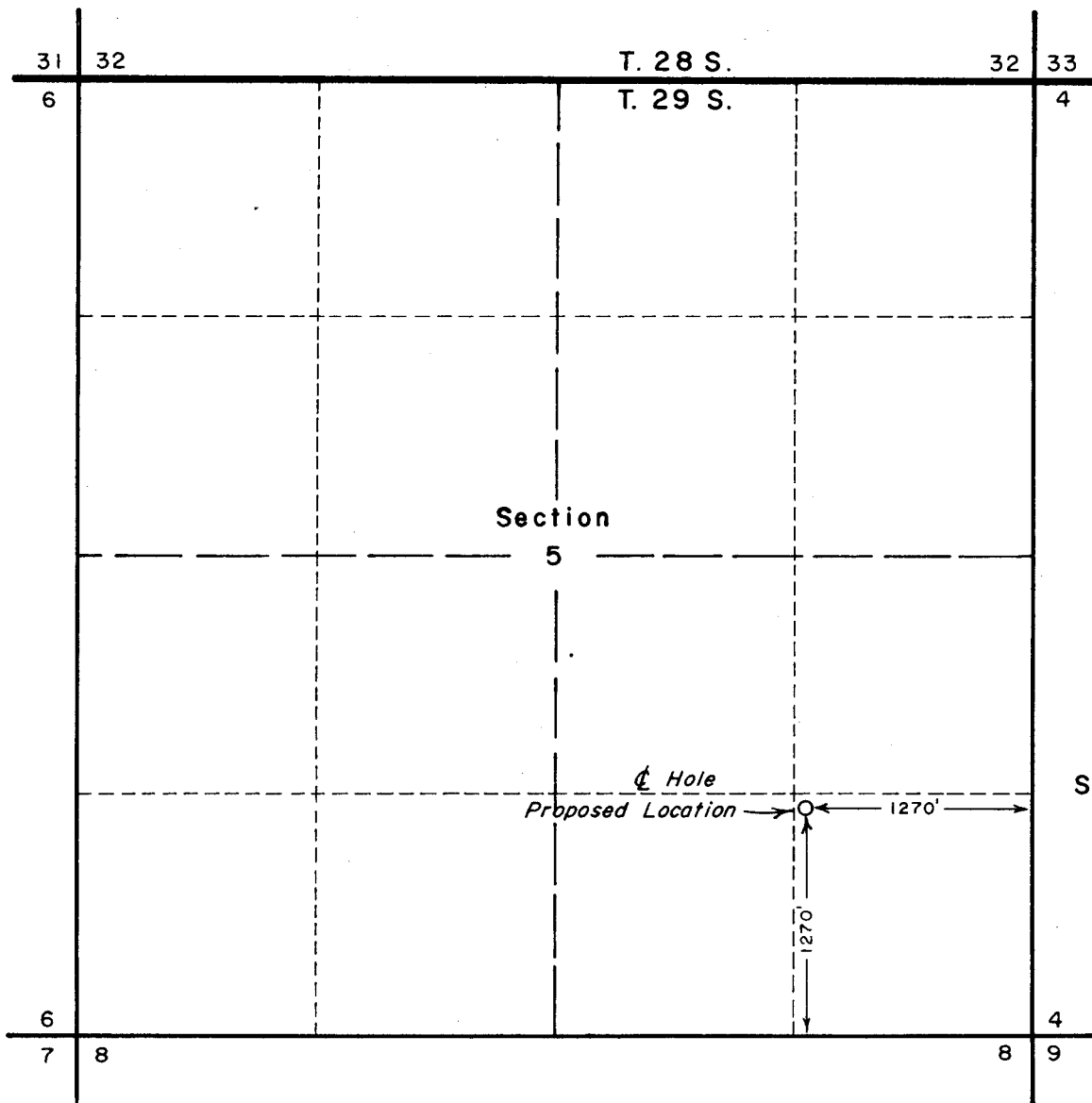
Company The Superior Oil Company

Address P. O. Drawer 'G'

Cortez, Colorado

ORIGINAL SIGNED BY
J. C. GORDY

By Jerome C. Gordy
Title Drilling Engineer



Scale: 1" = 1000'

WELL LOCATION: The Superior Oil Co. – Horsethief Canyon Unit # 1-5

Located 1270 feet North of the South line and 1270 feet West of the East line of Section 5,
 Township 29 South, Range 26 East, Salt Lake Base & Meridian.
 San Juan Co., Utah
 Existing ground elevation determined at 7302 feet based on V.A.B.M. Wray



I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

Elmer M. Clark

ELMER M. CLARK
 Registered Land Surveyor
 State of Utah # 2307

THE SUPERIOR OIL CO.

WELL LOCATION PLAT
 Sec. 5 - T29S-R26E
 San Juan Co., Utah

E.M. CLARK & ASSOC.
 Durango, Colorado

DATE: Sept. 5, 1963
 FILE NO: 63052

September 26, 1963

Superior Oil Company
P. O. Drawer "G"
Cortez, Colorado

Attention: Jerome C. Gordy, Drilling Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Horsethief Canyon Unit #1-5, which is to be located 1270 feet from the south line and 1270 feet from the east line of Section 5, Township 29 South, Range 26 East, SLBM, San Juan County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted conditional upon receiving an unexecuted copy of the Horsethief Canyon Unit Agreement.

As soon as you have determined that it will be necessary to plug and abandon the above mentioned well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer
Office: DA 8-5771 or DA 8-5772
Home: CR 7-2890
Salt Lake City, Utah

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Enclosed please find Form OGCC-8-X, which is to be

September 26, 1963

completed if water sands (aquifers) are encountered while drilling, particularly assessable near surface water sands. Your cooperation with respect to completing this form will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:cnf

cc: Jerry Long, District Engineer
U. S. Geological Survey
Durango, Colorado

H. L. Coonts, Petroleum Engineer
Oil & Gas Conservation Commission
Moab, Utah

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake
LEASE NUMBER U-017003A
UNIT Horsethief Canyon

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 1963,

Agent's address P. O. Drawer "G" Company The Superior Oil Company
Cortez, Colorado Signed ORIGINAL SIGNED BY
L. C. GARY

Phone 565-3733 Agent's title Drilling Engineer

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
C SE 5	29S	26E	1-S		Horseshoe Canyon Unit					Drilling 4695'

NOTE.—There were runs or sales of oil; M cu. ft. of gas sold;

Runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

DATA

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS
WATER ANALYSIS

HORNBUTT CANYON

File RP-3-WA-522

Company THE SUPERIOR OIL CO.

Well Name UNIT # 1-5

Sample No. **1**

Formation **CUTLER**

Depth 5126-5194

Sampled From **WATER FLOW TO SURFACE**

Location SAC 5 T296 R267

Field **WILDCAT**

County **SAN JUAN** State **UTAH**

Date Sampled

Date Analyzed **11-12-63**

Engineer **McCOMAS**

Total Dissolved Solids 2303 mg L. calc.

Sp. Cr. 1.000 65

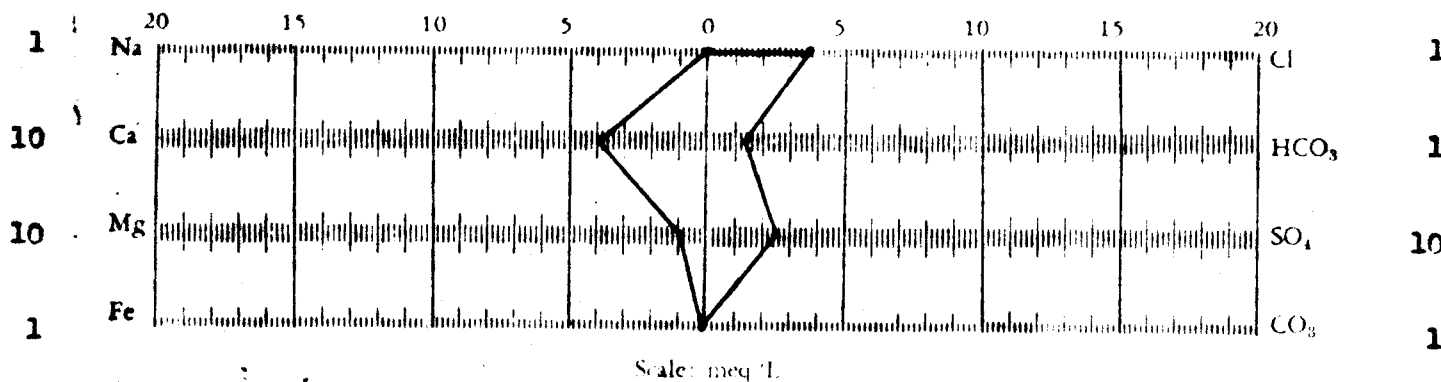
Resistivity 2.6 ohm-meter @ 70 °C calc.

Hadiyeen Subhan	ABSENT
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pH 6.0

Constituents	meq. L.	mg. L.
Sodium	absent	
Calcium	38.3	768
Magnesium	9.5	116
Iron	absent	
Barium	absent	

Constituents	meq. L.	mg. L.
Chloride	3.7	134
Bicarbonate	1.4	85
Sulfate	24.9	1200
Carbonate	absent	
Hydroxide	absent	



All analyses except iron determination performed on a filtered sample

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake
LEASE NUMBER U-017003A
UNIT Horsethief Canyon

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of November, 1963, _____

Agent's address P.O. Drawer "G" Company The Superior Oil Company
Cortez, Colorado Signed A. C. GORDON

Phone 565-3733 Agent's title Drilling Engineer

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
C SE 5	29S	26E	1-5		Horse Thief Canyon Unit					Drilling 8019'

NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;

----- runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Copy H. L. C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R386.5.

LAND OFFICE Salt Lake
LEASE NUMBER U-017003A
UNIT Morsethief Canyon

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of December, 1963,

Agent's address P. O. Drawer "G" Company The Superior Oil Company
Cortez, Colorado Signed J. C. GORDY

Phone 565-3733 Agent's title Drilling Engineer

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
C SE 5 29S		26E	1							Drilling 8019'

NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form approved.
Budget Bureau No. 42-R356.5.

LAND OFFICE Salt Lake

LEASE NUMBER U-017003A

UNIT Horsethief Canyon

State Utah County San Juan Field Wildcat
The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 1964,
Agent's address P. O. Drawer "G" Company The Superior Oil Company
Cortez, Colorado Signed _____
Phone 565-3733 Agent's title Production Engineer

16-25766-9 U. S. GOVERNMENT PRINTING OFFICE

Salt Lake

LAND OFFICE -----
LEASE NUMBER -----
UNIT -----

State Utah County San Juan Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of February, 1964

Agent's address P. O. Drawer "G" Company The Superior Oil Company
Cortez, Colorado

Phone 565-3733 Signed _____
Agent's title Drilling Engineer

----- runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN THE DATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. Utah - 017003A
2. NAME OF OPERATOR The Superior Oil Company	6. IF INDIAN, ALLOTTEE OR TRIBE NAME *****
3. ADDRESS OF OPERATOR P. O. Drawer 'G', Cortez, Colorado	7. UNIT AGREEMENT NAME Horseshoe Canyon Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1270' N of SL and 1270' W of EL, Section 5	8. FARM OR LEASE NAME *****
14. PERMIT NO. *****	9. WELL NO. #1-3
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7320' KB	10. FIELD AND POOL, OR WILDCAT Wildcat
	11. SEC., T., R., M., OR B.L. AND S.E. 1/4, Sec. 5, T29S, R26E SLBGM
	12. COUNTY OR PARISH San Juan
	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Propose to plug and abandon well by equalizing the following plugs:

Plug #1: With DP at 11,950, equalize 50 sacks regular cement across top of McCracken formation at 11,899' (Calculated top: 11,820')

Plug #2: With DP at 11,700 equalize 150 sacks across Mississippian formation from 11,333' to 11,662' (Calculated top of plug: 11,300')

Plug #3: With DP at 8375' equalize 135 sacks across porosity in lower Cutler (Calculated top: 8025')

Plug #4: With DP at 6200' equalize 50 sacks across bottom of water sand at 6170' (Calculated top: 6070')

Plug #5: With DP at 5200', equalize 50 sacks across top of water sand at 5135' (Calculated top: 5070')

Plug #6: With DP at 2800', equalize 50 sacks across top of Cutler formation at 2740' (Calculated top: 2670')

Plug #7: With DP @ 1690, equalize 75 sacks across bottom of 13-3/8"/csg. surface Set @ 1645' (Calculated top: 1590')

18. I hereby certify that the foregoing is true and correct

ORIGINAL
J. C. GORDY

SIGNED

J. C. Gordy

TITLE

Drilling Engineer

DATE

March 3, 1964

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

OVER

APPROVED BY UTAH OIL AND GAS
CONSERVATION COMMISSION

*See Instructions on Reverse Side 3-4-64

Paul M. Burchell
CHIEF PETROLEUM ENGINEER

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN
(Other instructions
reverse side)

CATE*
on re-

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Utah - 017003A
2. NAME OF OPERATOR The Superior Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----
3. ADDRESS OF OPERATOR P. O. Drawer 'G', Cortez, Colorado		7. UNIT AGREEMENT NAME Horseshoe Canyon Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1270' N of SL and 1270' W of EL, Section 5		8. FARM OR LEASE NAME -----
14. PERMIT NO.		9. WELL NO. #1-5
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7323' KB		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC. T, R, M., OR BLK. AND SURVEY OR AREA SE-1/4 Sec 5, T29S, R26E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Plugged and abandoned the well on March 6, 1964 by equalizing the following cement plugs:

Plug #1: 50 sacks reg cement w/DP @ 11,910' (Log top: McCracken - 11,862')
 Plug #2: 150 sacks reg cement w/DP @ 11,700' (Mississippian 11,340' - 11,643')
 Plug #3: 135 sacks reg cement w/DP @ 8,375' (Formation test interval in Lower Cutler.)
 Plug #4: 50 sacks reg cement w/DP @ 6,200' (Bottom of water sand.)
 Plug #5: 50 sacks reg cement w/DP @ 5,200' (Top of water sand.)
 Plug #6: 50 sacks reg cement w/DP @ 2,800' (Top of Cutler - 2740')
 Plug #7: 75 sacks reg cement w/DP @ 1,690' (Bottom of 13-3/8" casing @ 1645')
 Plug #8: 10 sacks reg cement placed in top of 13-3/8" surface casing.

A steel plate was welded on top of 13-3/8" casing stub and a standard dry hole marker erected.

18. I hereby certify that the foregoing is true and correct

ORIGINAL SIGNED BY

SIGNED **J. C. GORDY**

TITLE **Drilling Engineer**

DATE **March 16, 1964**

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

JCG/njh

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. Utah - 017003A	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other Abandoned		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -----	
2. NAME OF OPERATOR The Superior Oil Company		7. UNIT AGREEMENT NAME Horsethief Canyon Unit	
3. ADDRESS OF OPERATOR P. O. Drawer 'G', Cortez, Colorado		8. FARM OR LEASE NAME -----	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1270' N of SL and 1270' W of EL, Section 5 At top prod. interval reported below At total depth		9. WELL NO. #1-5	
14. PERMIT NO. _____ DATE ISSUED _____		10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DATE SPUDDED Oct. 6, 1963		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SE 1/4 Sec. 5, T29S, R26E SLB&M	
16. DATE T.D. REACHED Mar. 3, 1964		12. COUNTY OR PARISH San Juan	
17. DATE COMPL. (Ready to prod.) March 6, 1964 (Aband)		13. STATE Utah	
18. ELEVATIONS (DF, RNB, RT, GR, ETC.)* 7323' KB		19. ELEV. CASINGHEAD 7301'	
20. TOTAL DEPTH, MD & TVD 11,990'		21. PLUG, BACK T.D., MD & TVD -----	
22. IF MULTIPLE COMPL., HOW MANY* -----		23. INTERVALS DRILLED BY -----	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN log, GR/S, CDM; 10,100'-11,990' Laterolog, GR/S, FDL, CDM, Seismic Ref. Survey		27. WAS WELL CORED 11,450'-11,504'	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
20"	79.6# Spiral	Weld 77'	26"
13-3/8"	54.5# & 48#	1645'	17 1/2"
CEMENTING RECORD			
150 sks reg w/2% CaCl (Returns) None			
1005 sks reg w/4% gel &			
200 sks reg w/2% CaCl (Returns)			
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
None			
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
None			
31. PERFORATION RECORD (Interval, size and number)			
None			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
None			
33.* PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	
Abandoned		-----	
WELL STATUS (Producing or shut-in)		-----	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD
-----	-----	-----	-----
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)
-----	-----	-----	-----
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			
TEST WITNESSED BY			

35. LIST OF ATTACHMENTS			

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

ORIGINAL SIGNED BY
SIGNED **J. C. Gordy**TITLE **Drilling Engineer**DATE **March 16, 1964**

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORDED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS	
				NAME	TOP MEAS. DEPTH TRUE VERT. DEPTH
Cutler	8119'	8155'	DST #1: OT for 10 min, strong blow air. CT for 30 min ISIP. OT for 1 hr flow test. GTS in 2 min. Gage 48 MCF GPD Max. CT 1 hr FSIP. Rec 95' sli gas cut DM HMP - 5042, ISIP 1729, IFP 43, FFP 43, FSIP 1815.	Dakota	Spud 1740'
			DST #2: OT for 10 min, strong blow air. CT for 30 min ISIP. OT for 1 hr flow test. GTS in 2 min. Guage 68 MCF GPD. CT 1 hr FSIP Rec 150' gas cut DM. HMP 5207, ISIP 939, IFP 93, FFP 93, FSIP 939.	Chinle	2225'
			DST #3: OT for 10 min, very weak blow air. CT for 30 min. OT for flow test. Packers failed. HMP 7143, IFP 141, FFP 235, ISIP 3772.	Moenkopi	2822'
			DST #3: OT for 2 hrs, weak flow air incr to fair blow. CT for 2 hrs. Shut in. Rec 1170' muddy salt water. HMP 7086, IFP 138, FFP 692, FSIP 3736.	Cutler	8612'
Cutler	8294'	8335'		Hermosa	9955'
				La Sal	10,610'
Mississippian	11,411'	11,557'		Hatch	10,815'
				Ismay	10,900'
				Ismay Salt	Base Ismay Salt 10,935'
				Lower Ismay	11,025'
				Gothic Shale	11,115'
				Paradox Salt	11,230'
				Base Paradox	Salt 11,255'
				Mississippian	11,340'
				Ouray	11,643'
				Elbert	11,755'
	11,406'	11,557'		McCracken	11,862'
				Cambrian	11,950'
				TD	11,990'

Core Description - See attached page.

HORSETHIEF CANYON UNIT #1-5
C SE $\frac{1}{2}$ SEC. 5, T29S, R26E
SAN JUAN COUNTY, UTAH

CORE DESCRIPTION

CORE #2 - Mississippian 11,454' to 11,504' Cut 50' - Rec. 50'

11,454-55	1'	Lm, lt gry-tan, fn xln, dns w/ch, smky gry-tan, tite, NS
55-59	4'	Dol, lt-m tan, fn xln, tr ch, wh-lt gry, calc fill in frac, tite, NS
59-60	1'	Dol, dk gry-brn, fn xln, tr pp vuggy por, NS
60-62	2'	Dol, dk gry-brn, fn xln, w/calc incl, tite, NS
62-63	1'	Dol, dk gry-brn, fn xln, limey, tite, NS
63-64	1'	Dol, dk gry-brn, fn xln, dns, w/tr clac incl, w/thin blk sh stgr, tite, NS
64-75	11'	Dol, dk gry-brn, fn xln, w/tr-fair pp-small vuggy por, scatt calc incl, sm vert frags, tite, NS
75-76	1'	Dol, dk gry-brn, fn xln, tr pp vuggy por, styolitic, abd tan ch, NS
76-78	2'	Dol, dk gry-brn, fn xln, dns, tr pp vuggy por, NS
78-79	1'	Dol, dk gry-brn, fn xln, dns, small vuggy por, tr crinoids, NS
79-86	7'	Dol, dk gry-brn, fn xln, tr pp vuggy por, NS
86-88	2'	Lm, lt tan, fn-cse xln, styolitic, calc incl, tite, NS
88-89	1'	Dol, m gry, fn xln, v limey, tr pp vuggy por, NS
89-91	2'	Lm, lt tan, fn-cse xln, tite, NS
91-93	2'	Dol, lt gry-tan, fn xln, dns, sli limey, tite, NS
93-95	2'	Dol, dk gry-brn, fn xln, tr pp vuggy por, tr crinoids, NS
95-98	3'	Dol, dk gry-brn, fn xln, dns, tite, NS
98-99	1'	Dol, dk gry-brn, fn sln, dns, tr pp vuggy por, NS
99-500	1'	Dol, dk brn, fn xln, dns, tite, NS
11,500-503	3'	Dol, dk brn-gry, fn xln, tr pp vuggy por, NS
503-504	1'	Lm, v lt tan, fn sln, tite, NS

Note: Hairline fractures scattered throughout core. Core bleeding salt water and sour gas throughout.

HORSETHIEF CANYON UNIT #1-5
C SE 4, SECTION 5, T29S, R26E
SAN JUAN COUNTY, UTAH

CORE DESCRIPTION

CORE #1 - Mississippian 11,450' to 11,454' Cut 4' - Rec. 4'

11,450-451	Ls, lt gry-buff, f xln, dense with abundant interbedded blk sh partings, v sli odor sour gas on fresh break, no vis por, fluor, stain or taste.
451-452	Ls, AA, w/increase blk sh partings.
452-453	Ls, lt gry-lt tan, fn-m xln, dense, v clear w/few scattered thin blk sh partings, no vis por, stain, fluor, taste or odor.
453-454	Ls, lt gry-lt tan, fn-v fn xln, dense, occ thin blk sh partings with lrg chert frag $\frac{1}{2}$ gry. No por, stain, fluor, show, odor.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
310 NEWHOUSE BUILDING
SALT LAKE CITY 11, UTAH

March 16, 1964

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Horsethief Canyon Unit #1-5
 Operator The Superior Oil Company P. O. Drawer 'G'
 Address Cortez, Colorado Phone 565-3733
 Contractor Mountain States Drilling Co. Address _____ Phone _____
 Location: C 4 SE 1/4 Sec. 5 T. 29 S R. 26 E San Juan County, Utah.

Water Sands:

	Depth		Volume	Quality
	From	To	Flow Rate or Head	Fresh or Salty
1.	5124	- 5194	2575 psi (See Remarks)	Fresh (See attached analysis)
2.				
3.				
4.				
5.				

(Continued on reverse side if necessary)

Formation Tops: Chinle 1740'
 Moenkopi 2225'
 Cutler 2822'
 Hermosa 8612'

Note: No water flows were observed from water sands of the Glen Canyon group.

(Logs showed sand from 5135' to 6170')

Remarks: Encountered drilling rate increase at 5124' from 10 min per ft. to 1/2 min per ft. 4" water flow apparent while drilling from 5165'-5194'. Flow increased to 8" at 5194' in 15 min. Well was being drilled with 9.6 ppg mud at the time, calc hyd press. 2575. Flow washed hole clean and clear water was observed at surface. Mud was weighted to 13.0 ppg to kill flow and maintained at 11.6 ppg for the remainder of the well.

THE SUPERIOR OIL COMPANY

Jerome C. Gordy
Drilling Engineer

NOTE: (a) Upon diminishing supply of forms, please inform the Commission
 (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure. (See back of form)

MAR 18 1964

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5.

LAND OFFICE Salt Lake
LEASE NUMBER U-017003A
UNIT Horsethief Canyon

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of March, 1964,

Agent's address P. O. Drawer "G" Company The Superior Oil Company

Cortez, Colorado Signed J. C. GORDY

Phone 565-3733 Agent's title Drilling Engineer

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
C SE 5	29S	26E	1							Plugged & Abandoned March 6, 1964 T. D. - 11,990'

NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.